User Manual

MMS-DLUX

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1 Thank you

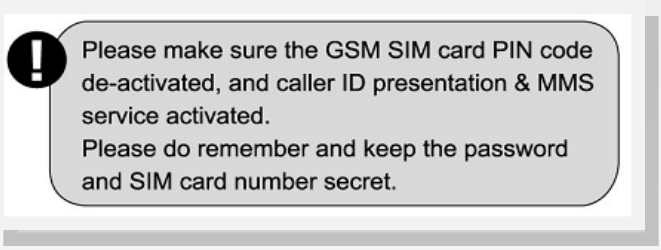
Thank you for purchasing the MMS-DLUX.

MMS-DLUX is a smart *GSMIGPRS* remote camera. It helps you achieve remote monitor, alarm and shooting, and thus provides a safe solution for protecting your privacy. The built-in 300000 pixels camera allows you to freely ask the device to take photos and send it to either your mobile phone or mailbox. Images can be received as slide show, by phone call or SMS command, anytime, anywhere. With the built-in IR lights, it can take high resolution images even in a dark environment.

When anybody breaks in to your property, it can trigger awareness immediately, take photos and send it to you automatically. In this way, your privacy, safety and security can effectively be protected!

All functions and services are supported by the GSM network and SIM card. For detailed operation and product functions, please read this user manual carefully.

2 For your safety


Please make sure the GSM SIM card PIN code de-activated, and caller ID presentation & MMS service activated.
Please do remember and keep the password and SIM card number secret.

- Keep it away from signal interference.
- Do not use it in any explosive places.
- Please use the original power adapter to avoid any damage.
- Keep it out of the reach of children .

Declaration

The information contained in this manual has been carefully checked and is believed to be accurate. However, we assume no responsibility for any inaccuracies that may be contained herein.

In no event will we, be liable for any direct, indirect, special, incidental, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages.

In the interest of continued product development, we reserve the right to make improvements to this manual, and the products described herein, at any time without notice or obligation.

3 Product Feature

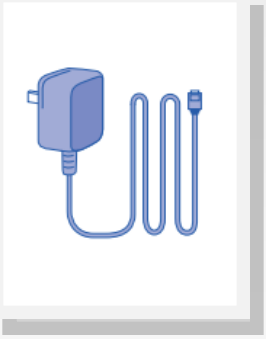
1. All GSM SIM cards can be used, capable of sending photos taken to MMS service enabled mobile phone or mailbox.
2. Integrated PIR sensor to provide a precise and timely alarm.
3. Built-in CMOS camera and IR lights: it can take clear images at night.
4. Movement detection: it can detect movement in view.
5. Phone call and SMS central: you can remote control the camera by phone call or SMS command.
6. Two-way communication: you can listen to the voice of the monitoring place and your voice can be broadcasted via a built-in speaker.
7. Multi-mode alarm: it can alarm by SMS, MMS, E-mail and phone call.
8. Schedule monitor: it can time an alarm or monitor as the preset scheduler.
9. Backup battery: built-in lithium battery ensures continued operation in case of a power failure.
10. Easy installation: wireless connection, it can be installed anywhere.

Product Accessories

Manual

Camera

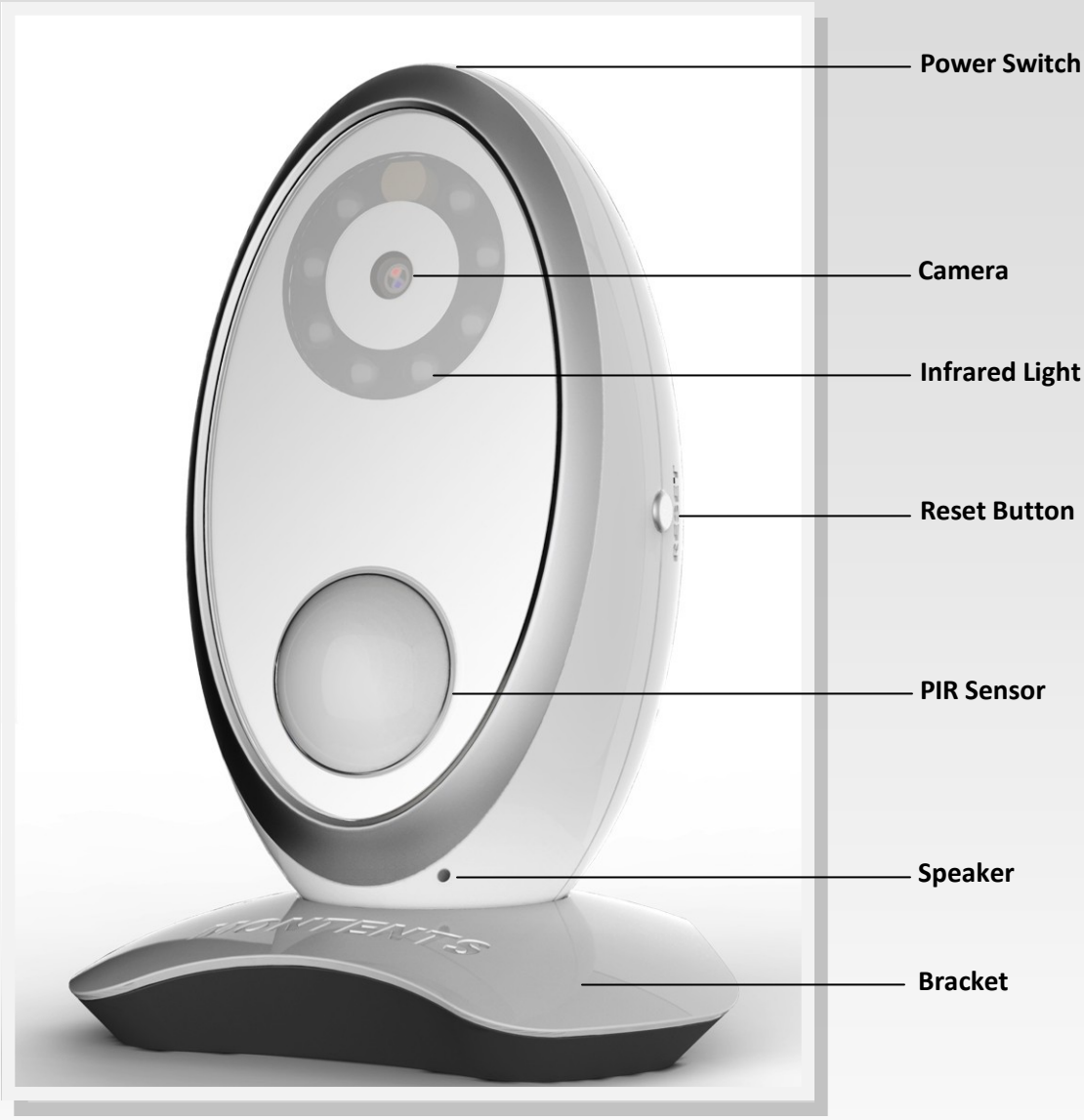
Adapter



Remote Control

Receiver

4 Host Instruction



Connection Diagram

5 Host Instruction

Indicator Status Instructions

Color	Indicator	Status
Red	Flash slowly	Searching the network
	Flash quickly	Detection activated when power on. PIR Sensor alarm or movement detection alarm activated when in working status
	Constant Light	No SIM card or malfunction
Green	Constant Light	Arming status
	Flash slowly	Disarming status
	Flash quickly	Disarming status
	Light two seconds	Restored to factory settings Note: Turn on the camera. When the indicator lights on, press the RESET button until the indicator turns green, it will restore to factory settings.

Note:

Slow flash: Indicator flashes 1 time per second; Quick flash: Indicator flashes 2 times per second.

The indicator light can be enabled or disabled by pressing the RESET button for more than 10seconds when in normal status.

SIM card Installation

Remove the cover and take out the battery. Slide the SIM card into its holder with the contacts facing down as shown in the picture. Insert the battery and then replace the cover.

5 Host Instruction

Remote Control and Receiver Operation Instructions

Connect the mini USB plug of the sensor receiver to the USB interface of the mobile guarder. Connect the power adapter to the sensor receiver, and open the sensor switch.

Press the arming button to the arming status. The Mini guarder will trigger an alarm and send out SMS via the wireless sensor, motion detection or infrared detectors.

Press the emergency button, this will call the preset numbers in turn

under the default alarm condition.

Press the number buttons for phone calls, if the mini guarder calls the preset

phone numbers three times but without answer, then it'll quit from calling status automatically.

Activate the camera in working status
Turn off the working status
1,2,3,4,5 Keys
for 5 receipt numbers
Last key for urgent alarm to master number
will take away

PPR: Constant light when external power on.

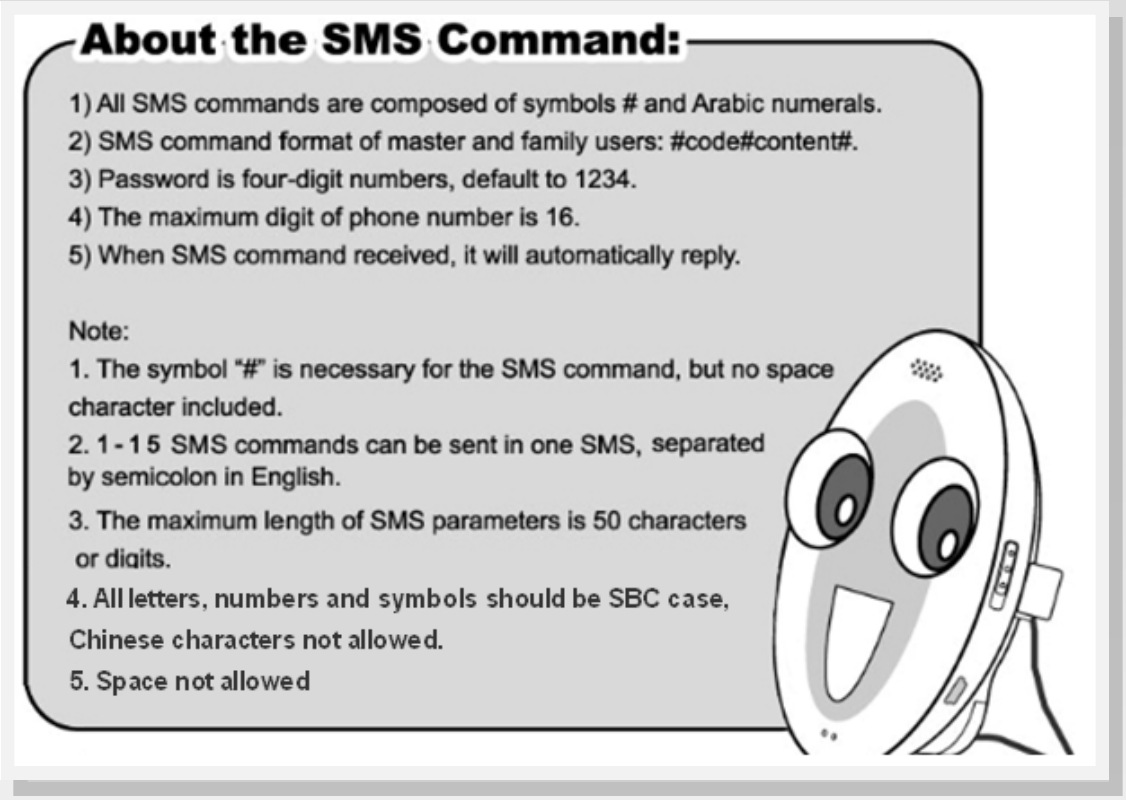
CHG: Constant light in recharging, off when power full.

STA: Receiver with slow flash under standby, when receiving signals from

remote controller of sensors, will flash quickly about 3 seconds. In addition,

when receiver is connected to the mini guarder, if you turn off the

mini guarder indicator, the light of the receiver will be off automatically.


About the SMS Command:
1) All SMS commands are composed of symbols # and Arabic numerals.
2) SMS command format of master and family users: #code#content#.
3) Password is four-digit numbers, default to 1234.
4) The maximum digit of phone number is 16.
5) When SMS command received, it will automatically reply.
Note:
1. The symbol "#" is necessary for the SMS command, but no space character included.
2. 1-15 SMS commands can be sent in one SMS, separated by semicolon in English.
3. The maximum length of SMS parameters is 50 characters or digits.
4. All letters, numbers and symbols should be SBC case, Chinese characters not allowed.
5. Space not allowed

Start Up

Please set the master before you use this device or when restored to factory settings, i.e. to let it recognize the master phone number, so that it can send alarm SMS to the master automatically. There are two methods as follows:

Method 1: Make a call with your mobile phone and you will hear it hang up.

Method 2: Send the SMS command to start up: #00#. After starting up you will receive the following SMS reply: "Welcome! Congratulations on your purchase of MMS-DLUX! You are authorized to use this device. Password: 1234."

7 Quick Start

Power On/Off

Power on: Keep pressing the power switch when power supply (external power supply or battery) is on. During this period of time, you will hear power on music, then the indicator turns red and then off. After a while it turns red again and flashes slowly till off, and then turns green (constantly green when armed, slowly flashes green when disarmed) and sounds "DU---", then it turns to normal working status. If it is set to arm, after the designated time delay, it will sound "DU, DU" and turn to armed status. The time delay can be designated by SMS command, please refer to the SMS commands list "Power on Arm time delay".

Power off: Keep pressing power switch till you hear power off music.

Add Family Users

Master can send SMS command to the device to add family users: #06#family user mobile phone number#. The number of family members that can be added is a maximum of 10. The same or repeated numbers will not be allowed.

Privilege levels for Master, Family users and Guests

User Function	Master	Family Users	Guests
Password Modification	√	×	×
Receive MMS Alarm	√	×	×
Receive SMS Alarm	√	×	×
Receive Phone Call Alarm	√	√	×
Status Inquiry, Help and get Remote Capture	√	√	**√**
Chinese/English Switch	√	×	×
Restore to Factory settings and add family users' phone numbers	**√**	×	×

8 Quick Start

Arming / Disarming

To arm the device is to activate the alarm function, thus the PIR sensor or movement detection turns to working state (Product is set default to Arming status). To disarm the device is to deactivate the alarm function, the PIR sensor or movement detection. There are two following methods:

Method 1:

Send the SMS command to arm: #01#

You will receive the SMS reply “Armed successfully” and the indicator will turn green.

Send the SMS command to disarm: #02#

You will receive the SMS reply “Disarmed successfully”, and the indicator will turn to a slow green flash.

Method 2:

Make a call to the device via the master number or family number, hang up in 5-20 seconds when you hear the ring tone, and it will automatically switch the arming / disarming status.

Method 3:

Press the "Reset" button for 3-10 seconds, it will automatically switch the status.

Note: If the arming/disarming status repeatedly switched, you will receive the SMS reply "Armed/Disarmed already".

Remote Capture

Method 1:

Make a call to the device via the master number or family number, hang up in 5 seconds when you hear the ring tone, and you will receive the SMS reply “Your request has been received, the device is sending image(s) now”, and then an MMS reply will follow.

Method 2:

Send the SMS command:

Master/family users: #03#Image number#

Guest: #03#Password#Image number#

And you will receive the SMS reply “Remote capture request received, the device is sending image(s) now”, and then an MMS reply will follow.

Note: If image size set to 160*128 or 320*240, you can ask for 8 images at most, i.e. 1~8 optional.
If image size set to 640*480, you can ask for 2 images at most, i.e. 1~2 optional.

Alarm

With the built-in PIR sensor, the device can alarm once triggered, default to SMS and MMS. If the alarm SMS, MMS and call options are activated at the same time, it will send alarm SMS and MMS orderly and then make phone calls, once for each. For alarm calls, it will dial the master number first and then family numbers until answered. If no answer for an even 3-cycle calling, then it will give up.

Notes：

The device is default to Movement Detection Alarm, if you would like to change the alarm way, please refer to the SMS commands list.

Voice Monitor & Speaker

Master and family users can dial the device number until the phone call gets through automatically to monitor the live voice. If the speaker is open, you can communicate to the monitored area too. The speaker is default to open. When an active alarming phone call gets through in an armed state, the speaker will automatically open so that you can communicate through the device.

Send the following SMS command, and you can control the speaker:

#164#Value#

Value: 0, to close speaker. Value: 1, to open speaker.

You will receive an SMS notification:" Speaker closed/open!"

Language

There are two versions of language available, send an SMS command (for master only):

Chinese version: #127#1#

And you will receive the SMS reply "Language switched to English."

Status Inquiries

To ask the device for the present settings and working status, send an SMS command as follows and you will receive a reply with all details (password not included):

Master and family users: #07#

Guest: #07# password#

10 Quick Start

To ask the device for help, send an SMS command as follows and you will receive a reply with command list or user manual:

For SMS commands:

Master or family users: #09#

Guest: #09# password#

For User Manual:

Master or family users: #09#1#

Guest: #09# password#1#

Reset factory settings

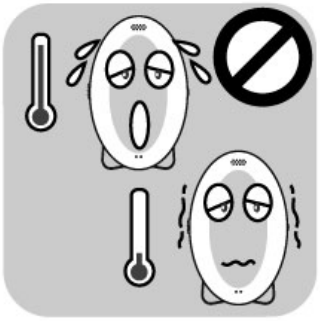
When the status of the settings is wrong, it cannot recover even when the power is off. You can than reset the factory settings (clear all user's settings including master phone number):

Method 1: Power on, when the indicator is off and before it lights again, press the RESET button till it sounds "Du—", and the factory settings have been reset successfully.

Method 2: Master sends an SMS command to the device:

#08#***password***#

Note: Please make sure you add the password in the command, only master has the rights to reset factory settings via SMS command. If others send the command, it will reply "sorry, you don't have the right to do it."



Please use and store this product in suitable temperature. Keep it away from excessive moisture and extreme temperatures.

Please clean it with soft moist cloth, do not use alcohol, Acetone or other solvents.

Please keep the camera and all accessories dry. Keep it away from water or any liquid.

Please refer to trouble shooting for problems solution. Do not uninstall it yourself. For other problems, contact the dealers.

Keep it away from dust.

Please charge the battery for more than 12 hours to ensure optimum battery performance before your first use. Charge it for 4 hours every 3 month if you don't use it.

12 Troubleshooting

No.	Problem	Possible Reason	Solution
1	Indicator light does not work	The indicator light's disabled	Press the RESET button for 10 seconds or send SMS command
2	Start up failure (but Indicator works normally)	Master already set	Restore to factory settings
3	Functions failure (but Indicator works normally)	Caller ID presentation or MMS service deactivated, overdue	Please contact the operator
4	Indicators remain on red	No SIM card or poor/wrong contact	Power off, check the SIM card and restart in 2 seconds.
5	Operation failure	Malfunction	Power off, check the SIM card and restart in 2 seconds. Or restore to factory settings
6	After start up, indicators remain red flash, does not turn to green	Weak signal or network busy	Power off and restart in another place with stronger signal
		SIM card PIN code activated	Remove the PIN code
		Invalid SIM card	Check the SIM card status with the operator
7	Failed to power on with external power after long time supply of battery	Battery over discharged	Charge the battery for 1 hour, power off and then restart
8	Disorder of timed arming and timed MMS sending	Wrong time in device	Check automatic timing once

Note: If the problem can't be solved with the above guidelines, please contact your local dealer or after sales center.

13 Appendix: SMS command list

User	Function	SMS Command
Master	Start the device	#00#
		Refer to Chapter 5. Quick start, 1. start up
Master/family	Arm the device	#01#
		Refer to Chapter 5. Quick start, 4. Arming
Master/family	Disarm the device	#02#
		Refer to Chapter 5. Quick start, 5. Disarming
Master/family/ guest	Capture MMS image	#03#[password#]image number#
		Refer to Chapter 5. Quick start, 6. Remote capture image
Master	Change password	#04#old password # new password#
		Instructions: the length of master's password: 4 digits
Master	Add family number	#06#family number#
		You are allowed to add up to 10 different family numbers.
Master/family/ guest	Status inquires	#07#
		#07#password#
		1. Password needed when guest sending
Master	Restore to factory set-tings	#08#password#
		Instructions: Password is the current default one
Master/family/ guest	SMS command/ User manual	#09#[password#]
		#09#[password#]1#
		Refer to Chapter 5. Quick start, 19. Help
Master/family	Deactivate SMS alarm	#11#0#
	Activate SMS alarm (Default)	#11#1#
Master/family	Deactivate MMS alarm	#12#0#
	Activate MMS alarm (Default)	#12#1#
Master/family	Deactivate call alarm	#13#0#
	Activate call alarm (Default)	#13#1#
Master	Change master number	#14#new master number#
		Instructions: 16-digit max

14 Appendix: SMS command list

User	Function	SMS Command
Master/family	Switch of mobile detection	#22#value#
		Value = 1: mobile detection open 0: mobile detection closed (default)
Master/family	Sensitivity of mobile detection	#36#grade#
		Grade 1,2,3,4,5 optional, from 1 to 5 stands for the sensitivity from low to high, default 4.
Master/family	Set of mobile times	#201#times#
		Times from 2 to 10 (Default 2.)
Master/family	Delay time of Mo-bile detection alarm	#202#delaytime#
		Delay time: 1to 10 min. (default 2 minutes. It means it will make an alarm again only 2 minutes later.)
Master/family/ guest	Send captured MMS image to appointed mobile number or mail address	#30#[password#]value# image number#
		1. Value=Mobile number or Mail address 2. Guest need password
Master/family	Enable IR lights	#31#1#
	Disable IR lights	#31#0# (default)
Master/family	Change image size	#32#value#
		Value=1:160×128(normally used size for mobile phone) 2: 320×240(QVGA default) 3: 640×480 (VGA) For example: #32#1# means auto alarm image size as 160*128
Master/family	Change alarm image number	#33#image number#
		Number: 2-8 optional, and default to 5, max to 8. If image size is 640*480, the number can only be 1-2.
Master/family	Set image brightness	#34#value#
		The value can be: 1,2,3,4,5 (From 1 darkest to 5 brightest), default to 4.
Master/family	Mirror image	#35#value#
		Value =1: mirror image of left and right 0: no mirror image (default)
Master/family	Set image contrast	#38#value#
		The value can be: 1,2,3,4,5 (From 1 lowest to 5 highest), default to 4.

15 Appendix: SMS command list

User	Function	SMS Command
Master/family	Image quality	#119#grade#
		Grade can be optional from 1 to 4, (1 is lowest, 4 is highest, default is 3).
Master/family	Add or modify Email address	#108#EMAIL#
		Everyone can set one mail, and can be modified
Master/family	Delete Email	#109#
		Delete mail box.
Master/family	Alarm send to mail or not	#110#value#
		Value = 1: send to mail 0: not send to mail (default) Note: Sending to mail on the condition of opening the MMS sending
Master	Delete family users	#113#family user#
		Instruction: #113# means delete all the family users.
Master/family	Activate MMS timer sending	#115#1#
	Deactivate MMS timer sending	#115#0# (Default)
Master/family	Time intervals of timed sending MMS	#116# working days # time period 1 start time # time period 1 finish time # time period 1 sending interval # time period 2 start time # time period 2 finish time # time period 2 sending interval # time period 3 start time # time period 3 finish time # time period 3 sending interval#
Master/family	Activate PIR sensor	#118#1#
	Deactivate PIR sensor	#118#0# (Default)
Master/family	Set time intervals of infrared alarm	#150#value#
		Value is from 2 to 10. (Default 2 minutes. It means it will make an alarm again only 2 minutes later.)
Master/family	Set combined alarm way	#210#value#
		Value = 0: or (default) 1: and Or : means it will make an alarm on either Mobile detection or Infrared human body detection; And: means it will make an alarm only if both Mobile detection and Infrared human body detection are opened.

16 Appendix: SMS command list

User	Function	SMS Command
Master/family	Set MMS center	#124#MMS center#
		Users need to reset MMS center depending on different networks, such as Vodacom Mobile (default): #124#http://mmsc.vodacom4me.co.za#
Master/family	Set MMS parameter	#125#ip#wapport#httpport#apn#user#pwd#
		Users need to reset MMS parameter depending on different countries, such as Vodacom Mobile (default): #125#196.006.128.006#9201#80#mms.vodacom.net#mms#mms#.
Master	Change language	#127#value#
		Value = 0: Chinese 1: English (default)
Master/family	Timing arm the device	#128#value#
		Refer to Quick Start, 15. Timer arming
Master/family	Set time period of timing arming	#129#working days# time period 1start time# time period 1finish time# time period 2 start time # time period 2 finish time # time period 3 start time # time period 3 finish time
		For details of working days, arming time and disarming time please refer to Quick start, 15 Timer arming
Master/family	Turn into disarm status or not after alarm	#138#value#
		Value = 0: close 1: open (default)
Master/family	Turn into disarm status after several alarms	#139#value#
		Value = 2 to 10, (default 2, it means it will enter into disarm status after 2 alarms).
Master/family	Disable/Enable indicator	#143#value#
		Value =1: Enable (default) 0: Disable
Master/family	Send SMS or not if power supply changed	#144#value#
		Value = 1: send SMS notice (default) 0: no SMS notice
Master/family	Set MMS sending way	#148#value#
		Value =1: HTTP 0: WAP (default)

17 Appendix: SMS command list

User	Function	SMS Command
Master/family	Regulate device time Activate Speaker	#152#number#
		The number is the device SIM card number. Please regulate again when the battery is replaced or re-installed.
Master/family	Activate Speaker	#164#1#
	Deactivate Speaker	#164#0# (Default)
Master/family	Time Delay	#222#timedelay#
		Delayed range can be from 1 to 30 Min. Default to 1 Min., i.e. it will not make an alarm within 1 min when the power is on, even if it detects people or movement. Note: Press the "Reset" button for 3-10 seconds, it will automatically switch status between arming and disarming.
Master/family	Remote control switch	#211#value#
		Value = 1: Remote function open 0: Remote function closed (default)
Master/family	Time period of remote control	#212#time begin#time end#
		Default to #212#10:00#16:00#
Master/family	Change number of alarm images for timing MMS	#213#number#
		Number: 2 to 8 optional, default to 5, at most 8. If image size is 640*480, the number can be at most 2 only.
Master/family	Change number of alarm images for remote capture	#214#number#
		Number: number of images when you dial to obtain MMS, 2 to 8 optional, default to 5, at most 8. If image size is 640*480, the number can be at most 2 only.

Thank you

For any further assistance contact www.securitywireless.co.za

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